

March 2001



## **United States Global Change Research Program**

**Data and Information Working Group  
Subcommittee on Global Change Research**

**Newly Available in**

**2000**

**Global Change Related  
Agency Data Sets**

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# **The U.S. Global Change Research Program**

The U.S. Global Change Research Program was initiated in 1989 as a high-priority effort to address key uncertainties about changes in the Earth system, both natural and human-induced; monitor, understand, and predict global change; and provide a sound scientific basis for national and international decisionmaking on global change issues. Congress codified the USGCRP in the Global Change Research Act of 1990, in order to provide for:

...development and coordination of a comprehensive and integrated United States research program which will assist the Nation and the world to understand, assess, predict, and respond to human-induced and natural processes of global change.

...increasing the overall effectiveness and productivity of Federal global change research efforts.

Since its inception, the USGCRP has been directed toward strengthening research on key scientific issues. The Program has supported research that has led to substantial increases in knowledge, improved predictive understanding, and documented evidence of global environmental change, including major scientific advances in the understanding of stratospheric ozone depletion, the El Niño-Southern Oscillation phenomenon, global climate change, tropical deforestation, and other issues.

The interagency Subcommittee on Global Change Research provides overall direction and executive oversight of the USGCRP. Within this framework, agencies manage and coordinate Federally supported scientific research on global change.

## **Subcommittee on Global Change Research Participating Agencies and Executive Offices**

Department of Agriculture  
Department of Commerce  
    National Oceanic and Atmospheric Administration  
Department of Defense  
Department of Energy  
Department of Health and Human Services  
    National Institutes of Health  
Department of the Interior  
Department of State  
Environmental Protection Agency  
National Aeronautics and Space Administration  
National Science Foundation  
Smithsonian Institution

Office of Management and Budget  
Office of Science and Technology Policy

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# Introduction

Since its inception, the U.S. Global Change Research Program has had the policy of full and open data availability. This policy has already been implemented not only through the participating agencies but through many inter-agency mechanisms such as publications, Internet based services, and in many international settings.

This fourth of a series of yearly publications represents another important step in this interagency process of making the data and information related to the Global Change Research Program available. It is particularly needed at this time since the users of this data and information have expanded from being primarily researchers to being a full mix that also includes educators, those making assessments of potential effects of global change, the commercial world, and the public as well as policy makers at all levels.

One of this publication's objectives is to provide this diverse user community with a concise summary of what data has been cataloged and made newly available each year. This is being done in both this published form and in the Global Change Data and Information System on the Internet([www.gcdis.usgcrp.gov](http://www.gcdis.usgcrp.gov)) with links to each data set, where available. Other objectives, however, are also important. These include giving recognition to the individuals and organizations who have done the important job of making the data available and providing a mechanism where the data sets used in a publication or assessment can be cited similarly to the citations now commonly used in publications to reference other publications.

To help the user of this publication find the data in which they are most interested, the data has been separated into subject categories. These categories, with representative topics that each includes, are below:

Agriculture - Crops, Forestry, Livestock, Plants, Soils

Atmosphere - Aerosols, Atmospheric chemistry, Climate, Clouds, Weather

Biosphere - Ecology, Vegetation, Wetlands, Zoology

Carbon - Atmospheric carbon, Ocean carbon, Sequestration, Soil carbon

Cryosphere - Glaciers, Ice, Snow

Geology - Earthquakes, Earth's structure, Gravity, Magnetic fields,  
Non-renewable resources, Volcanoes

Human Dimensions - Economic effects, Environmental effects, Human health

Hydrosphere - Ground water, Precipitation, Surface water, Water quality

Land Surface - Erosion, Land cover, Land type, Land use, Topography

Oceans - Coastal processes, Circulation, Resources, Temperature, Waves

Paleoclimate - Historical records, Ice, land, and ocean cores

Solar Physics - Energetic particles, Solar activity, Solar radiations,



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## Agriculture

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Annual Horticultural Analysis and Statistics on Fruits for Michigan(1893, 1894), *Central NOAA Libraries, NOAA/NESDIS/NODC/LISD*. 2000.

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- Hourly, Daily, Monthly, and Annual Surface Weather and Statistics of Live Stocks, Farm Products, and Dairy Products for Missouri, United States(1864-1890), *Central NOAA Libraries, NOAA/NESDIS/NODC/LISD*. 2000.
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- Hourly, Daily, Monthly, and Seasonal Surface Weather and Soil conditions for the Agricultural College in Lansing, Michigan(1911-1913), *Central NOAA Libraries, NOAA/NESDIS/NODC/LISD*. 2000.
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- Hourly, Daily, Monthly, Seasonal, and Annual Surface Weather for Blue Hill, Massachusetts(1886-1902), *Central NOAA Libraries, NOAA/NESDIS/NODC/LISD*. 2000.
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PENNSYLVANIA, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?43.026>)

COMET CASE 022 WSR-88D Radial Velocity (lowest tilt angle) from CENTRAL  
PENNSYLVANIA, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?43.027>)

COMET CASE 022 WSR-88D Radial Velocity (second-lowest tilt angle) from  
CENTRAL PENNSYLVANIA, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?43.028>)

COMET CASE 022 WSR-88D Radial Velocity (third-lowest tilt angle) from CENTRAL  
PENNSYLVANIA, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?43.029>)

COMET CASE 022 WSR-88D Radial Velocity (fourth-lowest tilt angle) from  
CENTRAL PENNSYLVANIA, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?43.030>)

COMET CASE 022 WSR-88D Base Reflectivity (lowest tilt angle) from  
WASHINGTON,DC, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?43.031>)

COMET CASE 022 WSR-88D Base Reflectivity (second-lowest tilt angle) from  
WASHINGTON,DC, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?43.032>)

COMET CASE 022 WSR-88D Base Reflectivity (third-lowest tilt angle) from  
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(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?43.033>)

COMET CASE 022 WSR-88D Base Reflectivity (fourth-lowest tilt angle) from  
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- COMET CASE 022 WSR-88D One-Hour Precipitation Estimate from  
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- COMET CASE 022 WSR-88D Three-Hour Precipitation Estimate from  
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- COMET CASE 022 WSR-88D Storm Total Precipitation Estimate from  
WASHINGTON,DC, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?43.037>)
- COMET CASE 022 WSR-88D Radial Velocity (lowest tilt angle) from  
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- COMET CASE 022 WSR-88D Radial Velocity (second-lowest tilt angle) from  
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(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?43.039>)
- COMET CASE 022 WSR-88D Radial Velocity (third-lowest tilt angle) from  
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- COMET CASE 022 WSR-88D Base Reflectivity (lowest tilt angle) from PITTSBURGH,  
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- COMET CASE 022 WSR-88D Base Reflectivity (second-lowest tilt angle) from  
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- COMET CASE 022 WSR-88D One-Hour Precipitation Estimate from PITTSBURGH,  
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- COMET CASE 022 WSR-88D Three-Hour Precipitation Estimate from PITTSBURGH, PA, NOAA/OAR/UCAR/JOSS. 2000.  
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- COMET CASE 022 WSR-88D Storm Total Precipitation Estimate from PITTSBURGH, PA, NOAA/OAR/UCAR/JOSS. 2000.  
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- COMET CASE 022 WSR-88D Radial Velocity (lowest tilt angle) from PITTSBURGH, PA, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?43.049>)
- COMET CASE 022 WSR-88D Radial Velocity (second-lowest tilt angle) from PITTSBURGH, PA, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?43.050>)
- COMET CASE 022 WSR-88D Radial Velocity (third-lowest tilt angle) from PITTSBURGH, PA, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?43.051>)
- COMET CASE 022 WSR-88D Radial Velocity (fourth-lowest tilt angle) from PITTSBURGH, PA, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?43.052>)
- COMET CASE 022 WSI NOWRAD 2km Radar Composite of the USA, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?43.053>)

COMET Case Study 023: Winter Severe Weather

- COMET Case Study 023: Complete Dataset, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?44.001>)
- COMET CASE 023 Nowrad USA Composite .gif, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?44.002>)
- COMET CASE 023 GOES-8 infra-red .gif imagery, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?44.003>)
- COMET CASE 023 WSR-88D Base Reflectivity (lowest tilt angle) from SIOUX FALLS, SD, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?44.004>)
- COMET CASE 023 WSR-88D Base Reflectivity (second-lowest tilt angle) from SIOUX FALLS, SD, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?44.005>)
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(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?44.006>)

- COMET CASE 023 WSR-88D Base Reflectivity (fourth-lowest tilt angle) from SIOUX FALLS, SD, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?44.007>)
- COMET CASE 023 WSR-88D One-Hour Precipitation Estimate from SIOUX FALLS, SD, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?44.008>)
- COMET CASE 023 WSR-88D Three-Hour Precipitation Estimate from SIOUX FALLS, SD, NOAA/OAR/UCAR/JOSS. 2000.  
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- COMET CASE 023 WSR-88D Storm Total Precipitation Estimate from SIOUX FALLS, SD, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?44.010>)
- COMET CASE 023 WSR-88D Radial Velocity (lowest tilt angle) from SIOUX FALLS, SD, NOAA/OAR/UCAR/JOSS. 2000.  
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- COMET CASE 023 WSR-88D Radial Velocity (second-lowest tilt angle) from SIOUX FALLS, SD, NOAA/OAR/UCAR/JOSS. 2000.  
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(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?44.013>)
- COMET CASE 023 WSR-88D Radial Velocity (fourth-lowest tilt angle) from SIOUX FALLS, SD, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?44.014>)
- COMET CASE 023 WSR-88D Base Reflectivity (lowest tilt angle) from SPRINGFIELD, MO, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?44.015>)
- COMET CASE 023 WSR-88D Base Reflectivity (second-lowest tilt angle) from SPRINGFIELD, MO, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?44.016>)
- COMET CASE 023 WSR-88D Base Reflectivity (third-lowest tilt angle) from SPRINGFIELD, MO, NOAA/OAR/UCAR/JOSS. 2000.  
<http://www.joss.ucar.edu/cgi-bin/codiac/dss?44.017>
- COMET CASE 023 WSR-88D Base Reflectivity (fourth-lowest tilt angle) from SPRINGFIELD, MO, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?44.018>)

- COMET CASE 023 WSR-88D One-Hour Precipitation Estimate from SPRINGFIELD, MO, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?44.019>)
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(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?44.020>)
- COMET CASE 023 WSR-88D Storm Total Precipitation Estimate from SPRINGFIELD, MO, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?44.021>)
- COMET CASE 023 WSR-88D Radial Velocity (lowest tilt angle) from SPRINGFIELD, MO, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?44.022>)
- COMET CASE 023 WSR-88D Radial Velocity (second-lowest tilt angle) from SPRINGFIELD, MO, NOAA/OAR/UCAR/JOSS. 2000.  
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- COMET CASE 023 WSI NOWRAD 2km Radar Composite of the USA, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?44.026>)

COMET Case Study 024: East Coast Explosive Cyclogenesis

- COMET Case Study 024: Complete Dataset, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.001>)
- COMET CASE 024 LWX (Washington DC) radar .gif, NOAA/OAR/UCAR/JOSS. 2000. (<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.002>)
- COMET CASE 024 GOES-8 water vapor .gif imagery, NOAA/OAR/UCAR/JOSS. 2000. (<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.003>)
- COMET CASE 024 WSR-88D Base Reflectivity (lowest tilt angle) from WASHINGTON,DC, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.004>)
- COMET CASE 024 WSR-88D Base Reflectivity (second-lowest tilt angle) from WASHINGTON,DC, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.005>)

- COMET CASE 024 WSR-88D Base Reflectivity (third-lowest tilt angle) from WASHINGTON,DC, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.006>)
- COMET CASE 024 WSR-88D Base Reflectivity (fourth-lowest tilt angle) from WASHINGTON,DC, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.007>)
- COMET CASE 024 WSR-88D Base Reflectivity Layer (lowest tilt angle) from WASHINGTON,DC, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.008>)
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(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.009>)
- COMET CASE 024 WSR-88D Composite Reflectivity (sixteenth-lowest tilt angle) from WASHINGTON, DC, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.010>)
- COMET CASE 024 Layer Reflectivity (lowest tilt angle) from WASHINGTON,DC, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.011>)
- COMET CASE 024 Layer Reflectivity (second-lowest tilt angle) from WASHINGTON,DC, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.012>)
- COMET CASE 024 Layer Reflectivity (third-lowest tilt angle) from WASHINGTON,DC, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.013>)
- COMET CASE 024 WSR-88D One-Hour Precipitation Estimate from WASHINGTON,DC, NOAA/OAR/UCAR/JOSS. 2000.  
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- COMET CASE 024 WSR-88D Storm Total Precipitation Estimate from WASHINGTON,DC, NOAA/OAR/UCAR/JOSS. 2000.  
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- COMET CASE 024 WSR-88D Storm Relative Mean Radial Velocity (lowest tilt angle) from WASHINGTON,DC, NOAA/OAR/UCAR/JOSS. 2000.  
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COMET CASE 024 WSR-88D Storm Relative M.R.V. (second-lowest tilt angle) from  
WASHINGTON,DC, NOAA/OAR/UCAR/JOSS. 2000.  
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COMET CASE 024 WSR-88D Echo Tops from WASHINGTON,DC,  
NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.019>)

COMET CASE 024 WSR-88D Radial Velocity (lowest tilt angle) from  
WASHINGTON,DC, NOAA/OAR/UCAR/JOSS. 2000.  
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COMET CASE 024 WSR-88D Radial Velocity (second-lowest tilt angle) from  
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COMET CASE 024 WSR-88D Radial Velocity (third-lowest tilt angle) from  
WASHINGTON,DC, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.022>)

COMET CASE 024 WSR-88D Radial Velocity (fourth-lowest tilt angle) from  
WASHINGTON,DC, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.023>)

COMET CASE 024 WSR-88D Vertically Integrated Liquid Water from  
WASHINGTON,DC, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.024>)

COMET CASE 024 WSR-88D Base Reflectivity (lowest tilt angle) from RALEIGH,  
NC, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.025>)

COMET CASE 024 WSR-88D Base Reflectivity (second-lowest tilt angle) from  
RALEIGH, NC, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.026>)

COMET CASE 024 WSR-88D Base Reflectivity (third-lowest tilt angle) from  
RALEIGH, NC, NOAA/OAR/UCAR/JOSS. 2000.  
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COMET CASE 024 WSR-88D Base Reflectivity (fourth-lowest tilt angle) from  
RALEIGH, NC, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.028>)

COMET CASE 024 WSR-88D Base Reflectivity Layer (lowest tilt angle) from  
RALEIGH, NC, NOAA/OAR/UCAR/JOSS. 2000.  
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- COMET CASE 024 WSR-88D Composite Reflectivity (sixteenth-lowest tilt angle) from RALEIGH, NC, NOAA/OAR/UCAR/JOSS. 2000.  
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- COMET CASE 024 Layer Reflectivity (lowest tilt angle) from RALEIGH, NC, NOAA/OAR/UCAR/JOSS. 2000.  
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- COMET CASE 024 WSR-88D One-Hour Precipitation Estimate from RALEIGH, NC, NOAA/OAR/UCAR/JOSS. 2000.  
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- COMET CASE 024 WSR-88D Storm Total Precipitation Estimate from RALEIGH, NC, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.036>)
- COMET CASE 024 WSR-88D Storm Relative Mean Radial Velocity (lowest tilt angle) from RALEIGH, NC, NOAA/OAR/UCAR/JOSS. 2000.  
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- COMET CASE 024 WSR-88D Storm Relative M.R.V. (second-lowest tilt angle) from RALEIGH, NC, NOAA/OAR/UCAR/JOSS. 2000.  
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- COMET CASE 024 WSR-88D Echo Tops from RALEIGH, NC, NOAA/OAR/UCAR/JOSS. 2000.  
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- COMET CASE 024 WSR-88D Radial Velocity (lowest tilt angle) from RALEIGH, NC, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.040>)
- COMET CASE 024 WSR-88D Radial Velocity (second-lowest tilt angle) from RALEIGH, NC, NOAA/OAR/UCAR/JOSS. 2000.  
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COMET CASE 024 WSR-88D Radial Velocity (third-lowest tilt angle) from RALEIGH, NC, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.042>)

COMET CASE 024 WSR-88D Radial Velocity (fourth-lowest tilt angle) from RALEIGH, NC, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.043>)

COMET CASE 024 WSR-88D Vertically Integrated Liquid Water from RALEIGH, NC, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.044>)

COMET CASE 024 WSI NOWRAD 2km Radar Composite of the USA, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?47.045>)

COMET Case Study 025: Salt Lake City Tornado/Long Island Flood Data Set

COMET Case Study 025: Complete Dataset, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?49.001>)

COMET CASE 025 MTX (Salt Lake City)radar .gif, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?49.002>)

COMET CASE 025 GOES-10 infra-red .gif imagery, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?49.003>)

COMET CASE 025 WSR-88D Base Reflectivity (lowest tilt angle) from SALT LAKE CITY, UT/Elder County, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?49.004>)

COMET CASE 025 WSR-88D Base Reflectivity (second-lowest tilt angle) from SALT LAKE CITY, NOAA/OAR/UCAR/JOSS. 2000.  
(<http://www.joss.ucar.edu/cgi-bin/codiac/dss?49.005>)

COMET CASE 025 WSR-88D Base Reflectivity (third-lowest tilt angle) from SALT LAKE CITY, NOAA/OAR/UCAR/JOSS. 2000.  
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COMET CASE 025 WSR-88D Base Reflectivity (fourth-lowest tilt angle) from SALT LAKE CITY, NOAA/OAR/UCAR/JOSS. 2000.  
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COMET CASE 025 WSR-88D One-Hour Precipitation Estimate from SALT LAKE CITY, UT/Elder County, NOAA/OAR/UCAR/JOSS. 2000.  
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- COMET CASE 025 WSR-88D Three-Hour Precipitation Estimate from SALT LAKE CITY, UT/Elder County, NOAA/OAR/UCAR/JOSS. 2000.  
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## **Solar Physics**

### ***National Aeronautics and Space Administration***

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